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## WHAT CLAIMED IS:

1. An optical disc device for changing intensities of light beams illuminated on an optical disc when recording and reproducing on/from the optical disc, the optical disc device comprising:
  - 5 a photo detecting device divided into a plurality of photo detectors for detecting reflected light beams of the light beams illuminated on an optical disc;
  - a plurality of amplifiers for changing gains to respectively amplify output signals of the photo detectors when recording and reproducing on/from the optical disc; and
  - 10 a calculating device for calculating output signals of the amplifiers to generate servo signals, wherein correction offset signals for correcting offset voltages of the amplifiers and the photo detectors are added to the amplifiers.
2. The optical disc device of claim 1, wherein the calculating device further comprises a first calculating device and a second calculating device for respectively performing different operations on the output signals of the amplifiers, wherein the 15 correction offset signals respectively added to the amplifiers further comprise a first correction offset value that eliminates the offset voltages from a result of the first calculating device, and a second correction offset value that eliminates the offset voltages from a result of the second calculating device.
3. The optical disc device of claim 2, wherein the correction offset signals 20 respectively added to the amplifiers are signals separated from the first and the second correction offset values, wherein the second offset value is "0" in the result of the first calculating device and the first offset value is "0" in the result of the second calculating device.